

CLAIMS

21. (New) An alloy according to claim 1, comprising up to 0.001 wt% beryllium.

22. (New) An alloy according to claim 2, comprising up to 0.001 wt% beryllium.

23. (New) An alloy according to claim 1, further comprising incidental impurities.

24. (New) An alloy according to claim 1, which contains 5.9 to 7.2 wt% aluminum, 0.9 to 2.1 wt% tin, 2.1 to 3.1 wt% calcium, and 0.2 to 0.35 wt% manganese.

25. (New) An alloy according to claim 2, which contains 5.9 to 7.2 wt% aluminum, 0.9 to 2.1 wt% tin, 2.1 to 3.1 wt% calcium, and 0.2 to 0.35 wt% manganese.

26. (New) An alloy according to claim 21, which contains 5.9 to 7.2 wt% aluminum, 0.9 to 2.1 wt% tin, 2.1 to 3.1 wt% calcium, and 0.2 to 0.35 wt% manganese.

27. (New) An alloy according to claim 1 having high tensile yield strength (TYS) and compressive yield strength (CYS) both at ambient temperature and at elevated temperatures up to 200°C.

28. (New) An alloy according to claim 1 having high creep resistance both at ambient temperature and at temperatures elevated up to 200°C.

29. (New) An alloy according to claim 1 exhibiting a marked response to ageing at 250°C, wherein tensile yield strength, compressive yield strength, and creep resistance increase.

30. (New) An alloy according to claim 1 which is beryllium free.

31. (New) An alloy according to claim 1, which exhibits tensile yield strength at ambient temperature higher than 170 Mpa and tensile yield strength at 175°C higher than 150 Mpa.

32. (New) An alloy according to claim 1, which exhibits minimum creep rate (MCR) less than  $1.7 \times 10^{-9}/s$  at  $150^{\circ}\text{C}$  under stress of 100 Mpa.

33. ((New) An alloy according to claim 1, which exhibits minimum creep rate less than  $4.9 \times 10^{-9}/s$  at  $200^{\circ}\text{C}$  under stress of 55 Mpa.

34. (New) An alloy according to claim 1, which exhibits improvements of its strength in course of temperature ageing at  $250^{\circ}\text{C}$  for 1 hour.

*Claim 2*  
35. (New) An article which is a casting of a magnesium alloy of claim 1.

36. (New) An article of claim 35, wherein the casting is chosen from the group consisting of high-pressure die-casting, sand casting, permanent mold casting, squeeze casting, semi-solid casting, thixocasting and thixomolding.

37. (New) An article according to claim 35 which exhibits tensile yield strength at ambient temperature higher than 170 Mpa and tensile yield strength at  $175^{\circ}\text{C}$  higher than 150 Mpa.

38. (New) An article according to claim 35 which exhibits minimum creep rate (MCR) less than  $1.7 \times 10^{-9}/s$  at  $150^{\circ}\text{C}$  under stress of 100 Mpa.

39. (New) An article according to claim 35 which exhibits minimum creep rate less than  $4.9 \times 10^{-9}/s$  at  $200^{\circ}\text{C}$  under stress of 55 Mpa.

40. (New) An article according to claim 35 which was subjected to temperature ageing at  $250^{\circ}\text{C}$  for 1 hour.